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APPLICATION NO.	1	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/046,331	5,331 01/14/2002		Koji Ikeda	796_009	2811
25191	7590	11/96/2003		EXAMINER	
BURR & BI PO BOX 706			AGUIRRECHEA, JAYDI A		
SYRACUSE, NY 13261-7068				ART UNIT	PAPER NUMBER
				2834	

Please find below and/or attached an Office communication concerning this application or proceeding.

"	Application No.	Applicant(s)					
Office Action Summary	10/046,331	IKEDA ET AL.					
Onice Action Gammary	Examiner	Art Unit					
The MAILING DATE of this communication app	Jaydi A. Aguirrechea	2834					
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CPR 1.136(a). In no event, however, may a reply be timely filed after 50X (5) MONTHS from the mailing date of this communication. - If the period for reply specified abover is less than thry (30) days, are reply within the statutory minimum of thinty (30) days, will be considered linely. - Failure to reply veithed abover is less than thry (30) days, are reply within the statutory minimum of thinty (30) days, will be considered linely. - Failure to reply weithin the set or extended period for reply well, by statute, cause the application to become ABANDONED (55 U.S.C. § 133) - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any searned patent term adjustment. See 37 CFR 1.704(b). Status							
1) Responsive to communication(s) filed on 03 S	eptember 2003 .						
	s action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims	ex parte Quayle, 1935 C.D. 11, 4	53 U.G. 213.					
4)⊠ Claim(s) 1-17 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6,8-10 and 17</u> is/are rejected.							
7)⊠ Claim(s) 7 and 11-16 is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) All b) Some * c) None of:							
1. Certified copies of the priority documents	have been received.						
2. Certified copies of the priority documents have been received in Application No							
 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) ids 15 Patent and Trawmork Office.	 Notice of Informal F 	(PTO-413) Paper No(s) Patent Application (PTO-152)					

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under Ex Parte Ouavle, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on September 3, 2003 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (c) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-6, 8 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Shiraishi et al. (US 20020051326).

With regards to claims 1, 3 and 6, Shiraishi discloses a piezoelectric actuator comprising two movable members (52); a piezoelectric device disposed on at least one side of the movable part (51b); the base is constructed with one sheet of a flat plate; the fixing part has a flat plate shape and the movable parts are erected by a predetermined height from side peripheries.

4. With regards to claim 2, Shiraishi discloses the slit shaped grooves (figures 5 and 6). Application/Control Number: 10/046,331 Page 3

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 With regards to claim 4, Shiraishi discloses the grooves intervening with the end of the fixing part and the mounting parts (Figures 5 and 6).

With regards to claims 5 and 8, Shiraishi discloses the rectangular opening (Figures 5 and
 6).

7. With regards to claim 17, Shiraishi discloses a metal flat plate (80).

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 9. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 10. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being obvious over Shiraishi. Shiraishi discloses basically the claimed invention except for the base having a circular arc shape. It would have been an obvious matter of design choice to have the base with circular shape, since the applicant has not disclosed that the circular shape of the base solves any problem.

or is for a particular reason. It appears that the claimed invention would perform equally well

with the rectangular shape as disclosed in Shiraishi.

Allowable Subject Matter

11. Claims 7, 11-16 are objected to as being dependent upon a rejected base claim, but would

be allowable if rewritten in independent form including all of the limitations of the base claim

and any intervening claims.

12. The following is a statement of reasons for the indication of allowable subject matter: the

prior art of record fails to teach either alone or in combination the smaller thickness of the central

portion (claim 11); the reinforcing part located at an end of the fixing part (claims 12-14) and the

enlargement of the fixing part (Claim 15-16).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jaydi A. Aguirrechea whose telephone number is 703-305-2277.

The examiner can normally be reached on M-Th 9-7.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nestor Ramirez can be reached on 703-308-1371. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703-308-0956.

UPTON S. MULLINS

JAA 10/29/03